

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing Of Claims:

1.-15. (Canceled)

16. (Currently Amended) A method of assigning transmission channels in a telecommunications network having a plurality of base stations and a plurality of mobile stations, the transmission channels being provided for transmitting signals between the plurality of base stations and the plurality of mobile stations, the method comprising:

in an uncoordinated operation of the base stations for one of establishing a connection and during a connection between one of the base stations and one of the mobile stations, assigning at least one of the transmission channels of the transmission of signals between the one of the base stations and the one of the mobile stations to one of a connection to be established and an existing connection as a function of a channel measurement; and

measuring a transmission power on all possible transmission channels, when a previously measured transmission power on the transmission channel is minimal

~~while the base stations are operating in an uncoordinated manner, assigning at least one of the transmission channels for transmitting signals between one of the base stations and only one of the mobile stations as a function of a channel measurement, if a previously measured transmission power of the at least one assigned transmission channel is minimal;~~

~~wherein a transmission power on all possible ones of the transmission channels is measured.~~

17. (Previously Presented) The method according to claim 16, further comprising use of codes to spread at least one transmission resource into a plurality of the transmission channels, wherein the channel measurement includes a code measurement, in which a received signal for each transmission resource is despread using allowed ones of the codes to measure the transmission power in each of the transmission channels.

18. (Previously Presented) The method according to claim 17, wherein the codes are provided for spreading at least one of a time slot and a frequency band.

19. (Previously Presented) The method according to claim 16, wherein the channel measurement is performed while a connection is being established.
20. (Previously Presented) The method according to claim 16, wherein the channel measurement is performed during an existing connection between one of the base stations and one of the mobile stations, and wherein a connection quality of the existing connection is measured in parallel, and, if the connection quality falls below a preselected value, a channel change is performed and at least one new transmission channel is assigned as a function of a channel measurement of the existing connection.
21. (Previously Presented) The method according to claim 16, wherein a channel measurement for an assignment of at least one transmission channel in an uplink transmission direction from one of the mobile stations to one of the base stations is performed by a corresponding one of the base stations, and a channel measurement for an assignment of at least one transmission channel in a downlink transmission direction from one of the base stations to one of the mobile stations is performed by a corresponding one of the mobile stations.
22. (Previously Presented) The method according to claim 16, wherein the step of assigning at least one of the transmission channels includes assigning at least one of the transmission channels in at least an uplink transmission direction from one of the mobile stations to one of the base stations, the assigning being performed by a corresponding one of the base stations.
23. (Previously Presented) The method according to claim 16, wherein the step of assigning at least one of the transmission channels includes assigning at least one of the transmission channels in at least a downlink transmission direction from one of the base stations to one of the mobile stations, the assigning being performed by a corresponding one of the mobile stations.
24. (Previously Presented) The method according to claim 16, wherein at least one of the base stations transmits specific information via a broadcast channel to all of the mobile stations within a reception range of the at least one of the base stations, and the broadcast channel is changed if an interference detected on the broadcast channel exceeds a preselected value.
25. (Previously Presented) The method according to claim 24, wherein at least one of the transmission channels is reserved for use as the broadcast channel.

26. (Previously Presented) The method according to claim 16, wherein the following steps are performed if a transmission capacity of the transmission channels established for assignment is not sufficient:

(A) scrambling at least one of the transmission channels with a new scrambling code; and
(B) assigning the at least one scrambled transmission channel for transmitting signals between one of the base stations and one of the mobile stations as a function of a channel measurement, wherein a transmission power on all possible ones of the transmission channels is measured after scrambling the at least one transmission channel, if a transmission power measured on the at least one transmission channel is minimal.

27. (Currently Amended) A user station of a telecommunications network having a plurality of base stations and a plurality of mobile stations, transmission channels being provided for transmitting signals between the plurality of base stations and the plurality of mobile stations, comprising:

a channel measurement arrangement to measure a transmission power in an uncoordinated operation of the base stations of the telecommunication network on all possible transmission channels of a signal received by a user station for establishing a connection or during a connection between the user station and another user station;

a channel assignment arrangement to assign at least one of the transmission channels for transmitting signals between the user station and the other user station as a function of the channel measurement to the connection to be established or to the existing connection when the previously measured transmission power of this transmission channel is minimal

~~a channel measurement arrangement for performing a channel measurement by measuring a transmission power of a signal received by the user station on all possible ones of the transmission channels; and~~

~~a channel assignment arrangement for assigning, while the base stations are operating in an uncoordinated manner, at least one of the transmission channels for transmitting signals between the user station and only one additional user station as a function of the channel measurement, if a previously measured transmission power of the at least one assigned transmission channel is minimal.~~

28. (Previously Presented) The user station according to claim 27, wherein the user station includes one of a base station and a mobile station.

29. (Previously Presented) The user station according to claim 27, further comprising:

a code measurement arrangement, wherein codes are provided for spreading at least one transmission resource into multiple ones of the transmission channels for transmitting signals between the base stations and the mobile stations, the code measurement arrangement despreading a signal received by the user station for each of the at least one transmission resource, the code measurement arrangement despreading the signal using allowed ones of codes to measure the transmission power in each of the transmission channels.

30. (Previously Presented) The user station according to claim 27, wherein the channel measurement arrangement performs the channel measurement while a connection is being established.

31. (Previously Presented) The user station according to claim 27, further comprising:

a connection quality arrangement for measuring in parallel a connection quality of an existing connection between the user station and the additional user station;

wherein the channel assignment arrangement performs a channel change if the connection quality falls below a preselected value, so that at least one new transmission channel is assigned as a function of a channel measurement of the existing connection, and the channel measurement arrangement performs the channel measurement during the existing connection.

32. (Previously Presented) The user station according to claim 27, wherein the following occurs if a transmission capacity of the transmission channels established for assignment is not sufficient:

the channel assignment arrangement assigns at least one transmission channel scrambled using a new scrambling code, for transmitting signals between one of the base stations and one of the mobile stations as a function of the channel measurement by the channel measurement arrangement; and

the channel measurement arrangement performs the channel measurement by measuring the transmission power on all possible ones of the transmission channels after scrambling the at least one transmission channel using the new scrambling code, if a transmission power measured on the at least one transmission channel is minimal.